

FIRE-RATED, SAFETY-RATED GLASS CERAMIC

FireLite Plus® Forced Entry is a laminated, fire-rated, 3/8" (10 mm) glass. Tested in accordance with H.P. White 5-aa1 and tested and certified to ASTM E2395 when used as an IGU in the TGProtect™ FR System.

 **FIRE RATING**
20 - 180 MINUTES

 **ultraHD**
TECHNOLOGY

FEATURES

- ultraHD® Technology for improved surface quality, clarity and color
- Fire-rated for up to 180 minutes in the same large sizes as FireLite Plus
- Clear and wireless glass ceramic
- Impact safety-rated-meets ANSI Z97.1 and CPSC 16 CFR1201 (Cat. I and II)
- May be lightly sandblasted or etched by others on one side without affecting fire rating
- Protects from fire and impact on both sides of the glass
- 5-year limited warranty
- Tested in accordance with H.P. White 5-aa1 and tested and certified to ASTM E2395 when used as an IGU in TGProtect™ FR System
- Can be used in doors by others
- Withstands thermal shock



BIM 3D Model



Fire-Rated



Hose Stream Tested



Positive Pressure Tested



Impacted Rated



Forced Entry Resistant



UL Classified & Labeled



**NORTH AMERICA'S
MOST SPECIFIED**
FIRE-RATED GLASS COMPANY

NOTE: This product is not a barrier to radiant heat, as it does not meet test standards ASTM E119 or UL 263. If your jurisdiction requires a barrier to heat product, please contact TGP regarding Pilkington Pyrostop®.

LISTINGS/STANDARDS

Classified and labeled by Underwriters Laboratories, Inc.® and Underwriters Laboratories of Canada. File number for labeled fire-rated assemblies is R13377. Tests performed in accordance with:

UL 9	NFPA 80	CAN/ULC-S104	MEA-290-90-M-6
UL 10C	NFPA 257	CAN/ULC-S106	LARR 25798

MAXIMUM EXPOSED AREA

RATING	ASSEMBLY	MAX. EXPOSED AREA	MAX. WIDTH OF EXPOSED GLAZING	OR	MAX. HEIGHT OF EXPOSED GLAZING
20 to 60 min.	DOORS (non-temp rise)	3,204 in ² / 22.25 ft ² (2.07 m ²)	36" (914 mm)		89" (2,260 mm)
	DOORS (temp rise)	100 in ² / 0.69 ft ² (.06 m ²)	12" (304 mm)		33" (838 mm)
	OTHER THAN DOORS	3,325 in ² / 23.09 ft ² (2.15 m ²)	95" (2,413 mm)		95" (2,413 mm)
90 min.	DOORS (non-temp rise)	2,034 in ² / 14.13 ft ² (1.31 m ²)	36" (914 mm)		56-1/2" (1,435 mm)
	DOORS (temp rise)	100 in ² / 0.69 ft ² (.06 m ²)	12" (304 mm)		33" (838 mm)
	OTHER THAN DOORS	2,627 in ² / 18.24 ft ² (1.69 m ²)	56-1/2" (1,435 mm)		56-1/2" (1,435 mm)
180 min.	DOORS	100 in ² / 0.69 ft ² (.06 m ²)	12" (304 mm)		33" (838 mm)

Check with frame manufacturer for maximum tested glass sizes and required stop height.

Note: Individual lite sizes cannot exceed "Max. Exposed Area" shown above.

MAXIMUM SHEET SIZE

48" x 96"
(1.21 m x 2.43 m)

GENERAL CHARACTERISTICS

THICKNESS:	Nominal 3/8" (10 mm nominal) overall
WEIGHT:	4.5 lb / ft ² (21.97 kg / m ²)
APPROX. VISIBLE TRANSMISSION:	85%
APPROX. VISIBLE REFLECTION:	9%
HARDNESS (VICKER'S SCALE):	700
FIRE RATING:	20 - 180 minutes
IMPACT SAFETY RATING:	Meets ANSI Z97.1 and CPSC 16CFR1201 (Cat. I and II)
STC RATING:	38

LABELING

Each piece of FireLite Plus Forced Entry shall be permanently labeled with the FireLite Plus Forced Entry logo, UL logo and fire rating.

STORAGE & HANDLING

FireLite Plus Forced Entry must be handled with care during transportation, storage, inspection and installation. Store in a dry place.